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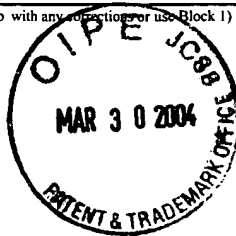
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7590

01/30/2004

David E. Huang, Esq.  
CHAPIN & HUANG, L.L.C.  
Westborough Office Park  
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Westborough, MA 01581



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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

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| (Depositor's name) |
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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/083,195      | 02/26/2002  | Stuart D. Downes     | EMC02-01(00053)     | 8456             |

TITLE OF INVENTION: SYSTEMS AND METHODS FOR DISTRIBUTING SOLDER PASTE USING A TOOL HAVING A SOLDER PASTE APERTURE WITH A NON-CIRCULAR CROSS-SECTIONAL SHAPE

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1330    | \$0             | \$1330           | 04/30/2004 |

| EXAMINER            | ART UNIT | CLASS-SUBCLASS |
|---------------------|----------|----------------|
| JOHNSON, JONATHAN J | 1725     | 228-248100     |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

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2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Chapin & Huang, L.L.C.2 David E. Huang, Esq.3

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

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☒ Issue Fee☐ Publication Fee☒ Advance Order - # of Copies 10

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☒ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 20-0901 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date) 3/30/04David E. Huang, Esq. Reg. No. 39,229

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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04/01/2004 SSESHE2 00000046 10083195

01 FC:1501  
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DATE OF NOTICE OF ALLOWABILITY: January 30, 2004  
CONFIRMATION NUMBER: 8456



ATTORNEY DOCKET NO.: EMC02-01(00053)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Stuart D. Downes  
Serial No.: 10/083,195  
For: SYSTEMS AND METHODS FOR DISTRIBUTING SOLDER PASTE  
USING A TOOL HAVING A SOLDER PASTE APERTURE WITH A NON-  
CIRCULAR CROSS-SECTIONAL SHAPE  
Filing Date: February 26, 2002  
Examiner: Johnson, Jonathan, J.  
Art Unit: 1725

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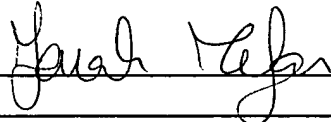
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Date: March 30, 2004

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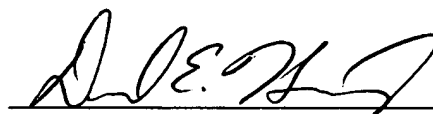
- 2 -

- [x] Transmittal Letter (this form, 2 pages, in duplicate), Total Pages: 4;
- [x] Part B – Issue Fee Transmittal (1 page, in duplicate), Total Pages: 2;
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- [x] Authorization to charge Deposit Account No. 50-0901;
- [x] Check in the amount of \$1,360.00 to cover Issue Fee and **Advance Order of 10 Copies.**

Applicant hereby petitions for any extension of time which is required to maintain the pendency of this case. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 50-0901.

If the enclosed papers or fees are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600, in Westborough, Massachusetts.

Respectfully submitted,



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Attorney Docket No.: EMC02-01(00053)

Dated: March 30, 2004